Data Sheet

We make sure

FUJITSU COMPUTERS SIEMENS

LIFEBOOK E8110 / E8210
Your expert without compromises

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The LIFEBOOK E Series always follows a simple philosophy: only the best will do. It is the perfect choice for the performance orientated office user: get latest technology to turn any work into a pleasant experience. The result is mobile performance equally powerful as desktop models.

Its flexible design allows you to custom configure the system exactly the way you like it. Top notch performance with only 2.3 kg makes this notebook as one of the lightest in its class. The comprehensive security features, separate SmartCard reader, TPM and Fingerprint[1] modules make your sensible data safe and secure – anytime, anywhere.

It has more connections than ever - from serial, parallel to SD/MMC card slot. There's WLAN and Bluetooth too! Take advantage of the growing network of wireless working and catch up emails where ever you are via embedded UMTS[2].

The new powerful Intel® Centrino® Duo Mobile Technology delivers high performance and long working away from the power socket.

Elegance

Designed for the most demanding mobile users, LIFEBOOKs are the perfect synthesis of form, function and style.

- Modular bay fitting an extra drive or battery for more flexibility
- Dual pointing devices with second set of mouse buttons: Touchpad and touchstick for ergonomic working

Ergonomics

- Enjoy the viewing quality of brilliant TFT displays and graphics:
  LIFEBOOK E8110: 15-inch XGA or 15-inch SXGA+ TFT display
  LIFEBOOK E8210: 15.4-inch WSXGA+ (16:10 format) and Intel's shared memory graphics or
  15.4-inch WSXGA+ TFT display and powerful ATI Mobility™ Radeon® X1400 graphics
- Dual pointing devices with second set of mouse buttons for comfortable working
- Convenient working with full sized keyboard
- New Port Replicator optionally available for simple connection to all your peripherals

Connectivity

- Bluetooth, Wireless LAN optional integrated
- Highest connectivity with embedded UMTS[2]
- New Port Replicator optionally available for simple connection to all your peripherals
- Long lasting battery for independent working with first and second battery

Reliability

- Highest quality design with magnesium lid
- Hard disk drive ShockSensor minimizes data loss and guarantee a higher reliability of your data
- Spill-proofed keyboard offers protection against system damage caused by accidental spills

Security

- Trusted platform module (TPM) provides more secure applications and makes transaction trust worthy
- Maximum of security for the own data with integrated fingerprint[1] sensor and SmartCase™ Logon+ security software
- Software for complete virus protection

[1] For made4you customizing projects only
[2] For LIFEBOOK E8210 optional available

System	LIFEBOOK E8110	LIFEBOOK E8210 with Intel graphics	LIFEBOOK E8210 with ATI graphics
Processor			
Intel® Core™ Solo Processor	T1300 (1.66 GHz)	-	-
Second level cache	2048	-	-
Front side bus (FSB)	667 MHz	-	-
Intel® Core™ Duo Processor	T2300 (1.66GHz) T2400 (1.83GHz) T2500 (2.00GHz) T2600 (2.16GHz)	T2400 (Dual 1.83GHz) T2500 (Dual 2.00GHz) T2600 (Dual 2.16GHz)	T2400 (Dual 1.83GHz) T2500 (Dual 2.00GHz) T2600 (Dual 2.16GHz)
Second level cache	2048	2048	2048
Front side bus (FSB)	667 MHz	667 MHz	667 MHz
Chipset			
Northbridge	Intel 945GM	Intel 945GM	Intel 945GM
Southbridge	ICH 7-M	ICH 7-M	ICH 7-M
Memory			
DDR2-667 SDRAM, 667 MHz	up to 2GB up to 4 GB with future modules	up to 2GB up to 4 GB with future modules	up to 2GB up to 4 GB with future modules
DIMM slots	2	2	2
BIOS			
BIOS Flash EPROM	BIOS based on Phoenix TrustedCore Notebook	BIOS based on Phoenix TrustedCore Notebook	BIOS based on Phoenix TrustedCore Notebook
Interfaces			
Infrared link (Fast IrDa 1.1, 4 Mbps)	1	1	1
Type I/II PC Card slot	1	1	1
SmartCard reader	1	1	1
Express card 34/54	1	1	1
Memory card slot (SD)	1	1	1
USB 2.0	4	4	4
S-Video out (TV-out)	1	1	1
VGA	1	1	1
Modem RJ-11	1	1	1
LAN RJ-45	1	1	1
Audio-in (line-in / microphone)	1	1	1
Audio-out (line-out / headphone)	1	1	1
DC-in	1	1	1
SPDIF	1	1	1
IEEE1394	1	1	1
Serial port	1	1	1
Parallel port	1	1	1
Kensington Lock	1	1	1
Docking connector for Port Replicator	1	1	1
Port Replicator interfaces (optional):			
USB 2.0	4	4	4
VGA	1	1	1
DVI-D	1 (with HDCP support)	1 (with HDCP support)	1 (with HDCP support)
Serial port	1	1	1
Parallel port	1	1	1
LAN RJ-45	1	1	1
PS/2	1	1	1
DC-in	1	1	1
Microphone	1	1	1
Headphone	1	1	1
Power on switch	1	1	1
Kensington Lock	1	1	1
Modem on board			
56K V.92 modem MDC1.5	1	1	1
LAN on board			
built-in 10/100/1000 Mbps Marvell 88E8055	x	x	x
Wireless Technologies (WLAN)			
Import and usage according to country-specific regulations.			
Dual band diversity antenna			
Intel PRO/Wireless 3945 a/b/g	optional	optional	optional
Atheros Minicard b/g 802.11 b/g	optional	optional	optional
WiFi certified	x	x	x
Integrated UMTS, also supported are GPRS and EDGE * for made4you customizing projects only	-	x*	x*
Bluetooth			
Bluetooth V2.0	optional, with separate antenna	optional, with separate antenna	optional, with separate antenna

System	LIFEBOOK E8110	LIFEBOOK E8210 with Intel graphics	LIFEBOOK E8210 with ATI graphics
Audio			
Stereo speakers	x	x	x
Sound chip	RealTek ALC262	RealTek ALC262	RealTek ALC262
Internal microphone	1	array (optimal for VoIP)	array (optimal for VoIP)
Keyboard and pointing device			
Keyboard	Spill proof keyboard, 86 keys, 19mm pitch, 2.7mm key stroke	Spill proof keyboard, 86 keys, 19mm pitch, 2.7mm key stroke	Spill proof keyboard, 86 keys, 19mm pitch, 2.7mm key stroke
Touchpad	witch two mouse buttons and one scroll button	witch two mouse buttons and one scroll button	witch two mouse buttons and one scroll button
Touchstick	x	x	x
Second set of mouse buttons	x	x	x
Fingerprint sensor	x*	x*	x*
Launch keys	x	x	x
Eco button	x	x	x
Recovery button	x	x	x
Status LCD (status panel)	x	x	x
Status LED	-	-	-
* for made4you customizing projects only			
Graphics			
Direct X9	x	x	x
Pixelshader 2.0	x	x	x
DualView (Windows XP)	x	x	x
Display			
15-inch TFT XGA / 1024 x 768 pixel	x	-	-
15-inch TFT SXGA+ / 1400 x 1050 pixel	x	-	-
15.4-inch TFT WSXGA+ / 1680 x 1050 pixel	-	x	x
Max. resolution for external displays	1600 x 1200 / true color / 85 Hz	1600 x 1200 / true color / 85 Hz	1600 x 1200 / true color / 85 Hz
Hard disk drives (internal) *			
S.M.A.R.T.	x	x	x
40 GB S-ATA 150 (5400 rpm)	x	x	x
60 GB S-ATA 150 (5400 rpm)	x	x	x
80 GB S-ATA 150 (5400 rpm)	x	x	x
120 GB S-ATA 150 (5400 rpm)	x**	x**	x**
* 1 Gbyte equals one billion bytes, when referring to hard disk drive capacity; accessible capacity may vary, also depending on used software and tool.			
** for made4you customizing projects only			
ShockSensor for HDD shock protection	x	x	x
Modular Drives			
DVD-ROM	x*	x*	x*
Combo	x	x	x
DVD+/- RW Dual layer (+R) Multiformat DVD writer with double layer support	x	x	x
* for made4you customizing projects only			
More information in specific Data Sheet: http://www.fujitsu-siemens.com/optical_drives/			
Manageability			
DeskView 10	**x**	**x**	**x**
On/Offline remote client management	x	x	x
Detailed system inventory management and reports	x	x	x
BIOS Management	x	x	x
Power Management	x	x	x
System notifications	x	x	x
Security Remote Control	x	x	x
Helpdesk Integration	x	x	x
WoL (wake on LAN)	x	x	x
DeskUpdate	**x**	**x**	**x**
Driver Management	x	x	x
DeskView Migrate			
Software Deployment and Migration Suite	optional	optional	optional
DeskView Control			
Advanced Hard-and Softwareinventory Suite	optional	optional	optional
Supported Standard			
WMI / CIM / WBEM	x	x	x
PXE	x	x	x
BootP	optional	optional	optional

System	LIFEBOOK E8110	LIFEBOOK E8210 with Intel graphics	LIFEBOOK E8210 with ATI graphics
Security			
Physical security			
Kensington Lock support	x	x	x
System Security			
Boot sector virus protection	x	x	x
Trusted Platform module 1.1b	optional	optional	optional
F-Secure antivirus software	x	x	x
User Security			
User and supervisor BIOS password	x	x	x
SystemLock BIOS SmartCard security	x	x	x
Hard disk password	x	x	x
Integrated Fingerprint Sensor	x*	x*	x*
Seperate SmartCard slot	x	x	x
SmartCase Logon+	optional	optional	optional
* for made4you customizing projects only			
Power supply			
1st Li-Ion battery 6 cell 5200mAh (56.2Wh)	x (via made4you)	x (via made4you)	x (via made4you)
1st Li-Ion battery 8 cell 5200mAh (74.9Wh)	x	x	x
2nd Li-Ion battery 6 cell 3800mAh (41Wh) (Option)	x	x	x
Battery runtime			
First battery * (Mobile Mark 2005) [up to]	6h - 6 cell battery 8h - 8 cell battery	6 h – 6 cell battery 7h 40min – 8 cell battery	4h – 6 cell battery 5h – 8 cell battery
First + Second battery * (Mobile Mark 2005)	up to 12h	up to 11h	up to 8 h
AC adapter 19V/80W Adapter			
Rated voltage (AC input) 100 - 240 V Rated frequency 50 - 60 Hz	x	x	x
DC output 19 V, 4.22 A			
Dynamic charge supported (rapid charge)	x	x	x
* Battery life may vary depending on product model, configuration, applications, power management settings and features utilized. Battery recharge time depends on usage.			
Operating temperatures			
Relative humidity (non-condensing)	20% - 85% (running)	20% - 85% (running)	20% - 85% (running)
Ambient temperature	15° - 35° C	15° - 35° C	15° - 35° C
Dimensions / Weight			
Dimensions (H x W x D)	35 x 326 x 270	35 x 360 x 260	35 x 360 x 260
Weight*	2.4 kg (incl. 8 cell battery, weight saver) 2.3 kg (incl. 6 cell battery, weight saver)	2.57 kg (incl. 8 cell battery, weight saver) 2.47 kg (incl. 6 cell battery, weight saver)	2.58 kg (incl. 8 cell battery, weight saver) 2.5 kg (incl. 6 cell battery, weight saver)
* Weight may vary depending on actual configuration			
Certificates			
CE Marking	x	x	x
CE according to EU Directives 89/336/EEC (EMC) 73/23/EEC (Product safety)	x	x	x
CE! (Wireless)	x (with integrated WLAN)	x (with integrated WLAN)	x (with integrated WLAN)
CE (Emission/Immunity)	x	x	x
R&TTE	x	x	x
GS (German ergonomic approval)	x	x	x
UL/cUL	x	x	x
CB Generic Report	x	x	x
CB (Safety)	x	x	x
RoHS	x	x	x
WHQL	x	x	x
TBR21	x	x	x
Energy Star	x	x	x
Wifi certified	x	x	x
Operating System **Fujitsu Siemens Computers recommends Microsoft® Windows® XP Professional**			
Microsoft Windows XP Professional	x	x	x
Windows Vista™ capable	x	x	x

System	LIFEBOOK E8110	LIFEBOOK E8210 with Intel graphics	LIFEBOOK E8210 with ATI graphics
Software (compatibility / preinstalled)			
Adobe Acrobat Reader	x	x	x
Application panel tool	x	x	x
Driver and Utility DVD	x	x	x
Eco Power Saving Utility	not from beginning	not from beginning	not from beginning
Easy Guide on-line user documentation	x	x	x
Nero	x (with combo od DVD RW drive)	x (with combo od DVD RW drive)	x (with combo od DVD RW drive)
F-Secure antivirus software	x	x	x
Altiris Local Recovery Pro	x	tbd	tbd
TPM software (with TPM module only)	x	x	x
SmartCase Logon+	optional	optional	optional
Toshiba Stack 4.x	x (with Bluetooth)	x (with Bluetooth)	x (with Bluetooth)
Odyssey Client	x	x	x
WinDVD for MPEG II decode	x (with combo oder DVD RW drive)	x (with combo oder DVD RW drive)	x (with combo oder DVD RW drive)
Windows 2000 driver support	x	x	x
Accessories (order number)			
AC-adapter	S26391-F2474-L600	S26391-F2474-L600	S26391-F2474-L600
Case	Supreme case maxi S26391-F119-L71	Supreme case maxi S26391-F119-L71	Supreme case maxi S26391-F119-L71
Port Replicator	New Port Replicator S26391-F403-E100	New Port Replicator S26391-F403-E100	New Port Replicator S26391-F403-E100
Battery	S26391-F405-E200	S26391-F405-E200	S26391-F405-E200
http://www.fujitsu-siemens.com/accessories/			

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